CLAIMS

SUB A1

1. A method for processing data to be recorded on an optical disc, comprising:

examining a set of files selected to be recorded on the optical disc;

creating a record data structure for each file in the set of files to be recorded on the optical disc;

generating a set of pointers to associate the record data structures with a writing order;

processing each of the record data structures one after another in the writing order to produce ordering data structures for each file in the set of files; and

processing the ordering data structures to write the set of files onto the optical disc in the writing order.

2. A method for recording data on an optical disc as recited in claim 1, wherein the record data structure includes one or more of a group of information strings comprising a file parent, a volume label index, a file size, a logical block number of a data file, a file path, a file attributes, a data mode, a removable media indicator, an embedded subheader string, and an imported file indicator.

3. A method for recording data on an optical disc as recited in claim 1, further comprising:

designating data files to be written to system cache memory;

assigning data files designated to be written to system cache memory to a specific location in system cache memory;

verifying that the record data structures accurately define each of the set of files.

4. A method for recording data on an optical disc as recited in claim 1, wherein each of the ordering data structures include pointers to a source file.

5. A method for recording data on an optical disc as recited in claim 4, wherein the pointers include one or more of a group of information strings referencing source data files and including a file source path, a file start offset, a file end offset, and a file pad to size;

6. A method for recording data on an optical disc as recited in claim 1, wherein the processing of the ordering data structures includes passing the ordering data structures to a CD recording engine, the CD recording engine writing the set of files onto the optical disc in the writing order.

7. A method for recording data on an optical disc as recited in claim 1, further comprising:

receiving a request to write the set of files.

8. A method for recording data on an optical disc as recited in claim 1, wherein the method is executed by computer executing code that defines a file system database block.

9. A method for recording data onto an optical disc, comprising:

generating a set of pointers to associate record data structures with a writing order;

processing each of the record data structures one after another in the writing order to produce ordering data structures for each file in a set of files; and

processing the ordering data structures to write the set of files onto the optical disc in the writing order.

10. A method for recording data onto an optical disc as recited in claim 9, further comprising:

examining a set of files selected to be recorded on the optical disc.

11. A method for recording data onto an optical disc as recited in claim 10, further comprising:

creating a record data structure for each file in the set of files to be recorded on the optical disc.

12. A method for recording data onto an optical disc as recited in claim 11, wherein the record data structure includes one or more of a group of information strings comprising a file parent, a volume label index, a file size, a logical block

number of a data file, a file path, a file attributes, a data mode, a removable media indicator, an embedded subheader string, and an imported file indicator.

13. A method for recording data onto an optical disc as recited in claim 11, further comprising:

designating data files to be written to system cache memory;

assigning data files designated to be written to system cache memory to a specific location in system cache memory;

verifying that the record data structures accurately define each of the set of files.

14. A method for recording data onto an optical disc as recited in claim 11, wherein each of the ordering data structures include pointers to a source file.

15. A method for recording data onto an optical disc as recited in claim 14, wherein the pointers include one or more of a group of information strings referencing source data files and including a file source path, a file start offset, a file end offset, and a file pad to size;

16. A method for recording data onto an optical disc as recited in claim 11, wherein the processing of the ordering data structures includes passing the ordering data structures to a CD recording engine, the CD recording engine writing the set of files onto the optical disc in the writing order.

17. A method for recording data onto an optical disc as recited in claim 11, further comprising:

receiving a request to write the set of files.

18. A method for recording data onto an optical disc as recited in claim 11, wherein the method is executed by computer executing code that defines a file system database block.

19. A computer readable media having program instructions for recording data onto an optical disc, the computer readable media comprising:

program instructions for examining a set of files selected to be recorded on the optical disc;

program instructions for creating a record data structure for each file in the set of files to be recorded on the optical disc;

program instructions for generating a set of pointers to associate record data structures with a writing order;

program instructions for processing each of the record data structures one after another in the writing order to produce ordering data structures for each file in a set of files; and

program instructions for processing the ordering data structures to write the set of files onto the optical disc in the writing order.

20. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, wherein the record data structure

includes one or more of a group of information strings comprising a file parent, a volume label index, a file size, a logical block number of a data file, a file path, a file attributes, a data mode, a removable media indicator, an embedded subheader string, and an imported file indicator.

21. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, further comprising:

program instructions for designating data files to be written to system cache memory;

program instructions for assigning data files designated to be written to system cache memory to a specific location in system cache memory;

program instructions for verifying that the record data structures accurately define each of the set of files.

22. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, wherein each of the ordering data structures include pointers to a source file.

23. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 22, wherein the pointers include one or more of a group of information strings referencing source data files and including a file source path, a file start offset, a file end offset, and a file pad to size.

24. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, wherein the processing of the ordering data structures includes program instructions for passing the ordering data structures to a CD recording engine, the CD recording engine writing the set of files onto the optical disc in the writing order.

25. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, further comprising:

program instructions for receiving a request to write the set of files.

26. A computer readable media having program instructions for recording data onto an optical disc as recited in claim 19, further comprising:

program instructions for defining a file system database block.